

# HSB 3000

## DTH Blast Hole Drill Rig



# DTH Blast Hole Drill HSB 3000

The HSB 3000 is the ideal DTH-rig for most applications in surface mining and quarrying, such as the drilling of production blast holes, pre-split and buffer blast holes as well as lifters. Its flexibility also makes it well suited for drilling de-watering holes for pit-wall depressurisation. Its low weight and limited dimensions makes the HSB 3000 easy to move from site to site and from bench to bench.

The versatility of the HSB 3000 gives you unique benefits:

- Straight, accurate blast holes for controlled fragmentation
- Improved stripping ratio through double benching and pre-splitting
- Reduction of waste extraction by increasing the pit slope angle
- Excellent tramping ability for quick and safe transportation
- Outstanding terrain manoeuvrability by ideal weight distribution
- Generous clearance and heavy-duty tracks with 20 degrees of oscillation
- Excellent stability in drilling mode by rear support cylinder
- Unique drill pipe handling system for easy, safe and quick changing
- High available feed force and torque minimize pipe and tool losses in difficult ground conditions
- Unique and safe access to service points by central walkway and large service doors
- Less unproductive times by long maintenance intervals and best-in-class maintenance accessibility
- Over-pressurized, vibration-free, sound-proof and generous ROPS / FOPS certified cab with tinted, strong laminated, partially heated window glasses and with sun shades for highest operator safety and comfort
- High efficient dry dust collector with water resistant long life filter elements decreases the amount of dust emissions (degree of separation > 99,9 %)
- Electronic drill data system for accurate drilling
- Automatic central lubrication system reduces times for maintenance
- Semi-automatic greasing system for reduced wear of drill pipe threads
- Towing device allows pulling of the rig in emergency cases out of the danger zone
- Diesel driven pre-heating system for operator comfort and gentle start procedure
- Long refilling intervals by large reservoirs (fuel 780 l, DTH oil 25 l)
- On-board system for independent refueling (50 l/min.)
- Maintenance free feed – and rotary head gearboxes
- Easy electric system (nearly no electronic components), main switchbox mounted in cab
- Arctic version for use in cold climate regions
- High altitude adaption for optimal utilization of available drive power



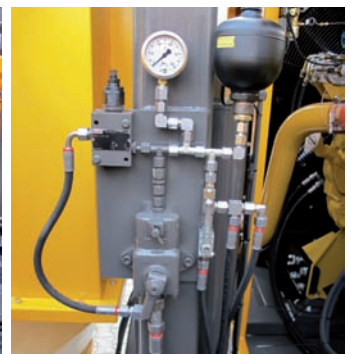
Pipe breaking device



DTH oiler



Central maintenance walk



Towing device



High comfort safety cab



Transport



Drive unit



Arctic version

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## Key Data

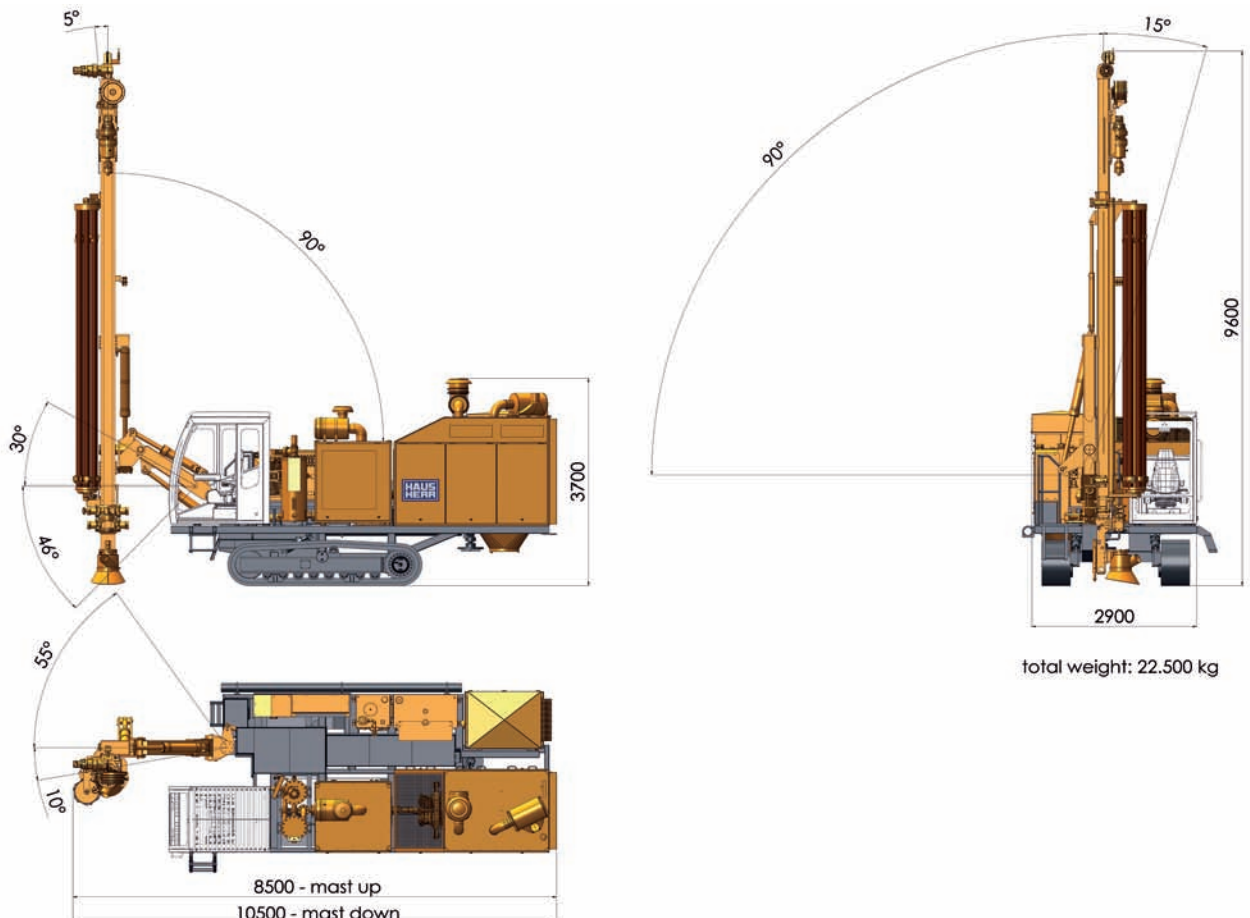
|                               |  |
|-------------------------------|--|
| Main application area         | Surface mining, aggregate quarries, limestone quarries, construction |
| Drilling method               | Down-the-hole  |
| Drilling diameter & depth     | 127 - 165 mm (5" - 6,5") - 35m (115')                                |
| Drill pipe                    | 7 units - 5 m (16,4') diameter 114 mm (4,5")                         |
| Compressor                    | 25 bar - 25 m <sup>3</sup> /min. (365 psi - 880 cfm)                 |
| Engine                        | Caterpillar C13 - 354 kw (475 hp) @ 1800 - 2100 rpm                  |
| Feed- / Retraction force      | 0 - 50 kN (0 - 11.240 lbs)   |
| Rotary head                   | 0 - 5.200 Nm (0 - 7.050 ft lb)                                       |
| Transport dimensions & weight | 10.5 x 2.9 x 3.7 m (35.5 x 9.7 x 11.8') - 22.500 kg (49.600 lbs)     |

## Further equipment details

|                                   |   |
|-----------------------------------|---|
| Cabin                             | ROPS / FOPS II  |
| Dust suppression system           | Dry dust collector - 50 m <sup>3</sup> /min (1.760 cfm) |
| Drill data system                 | MDS-2000  |
| Central lubrication system        | SKF   |
| Drill pipe thread greasing system | SKF   |
| Preheating system                 | Webasto (cabin, engine and compressor)                  |

## Optional equipment / optional versions

|                         |   |  |
|-------------------------|---|--|
| Engine                  | CAT C 11 - 287 kW (390 hp)                          | CAT C 15 - 403 kW (540 hp)                           |
| Compressor max.         | 25 bar - 18 m <sup>3</sup> /min (365 psi - 635 cfm) | 30 bar - 28 m <sup>3</sup> /min (435 psi - 1000 cfm) |
| Drill pipes             | ø 76 mm, 89 mm, 102 mm (ø 3", 3,5", 4")             |  |
| Dust suppression system | Wet dust suppression                                |  |
| Camera system           | Reverse camera with cab mounted color monitor       |  |
| Fast fuel system        | Adapter for Wiggins, etc.                           |  |
| Fire suppression system | Ansul or others                                     |  |





Technical specifications are subject to modifications without prior notice and incurring responsibility for machines previously sold. The shown machines may have optional equipment. Errors and misprints reserved.

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